

EAST

(25) For the production of the PUR elastomers according to the invention, low molecular weight difunctional chain extenders, tri- or ~~tetra~~-functional crosslinking agents, or mixtures of chain extenders and crosslinking agents, may additionally be used as component d).

(33) Chain extenders and crosslinking agents d) of this type are used for modifying the mechanical properties, particularly the hardness, of PUR elastomers. Suitable chain extenders such as alkanediols, dialkylene glycols and polyalkylene polyols, and crosslinking agents e.g. tri- or tetrahydric alcohols and oligomeric polyalkylene polyols with a functionality of 3 to 4, usually have molecular weights of 180, preferably from 120 to 400, and particularly from 60 to 300. The chain extenders which are preferably used include alkanediols containing 2 to 12, preferably 2, 4 or 6 carbon atoms, e.g. ethanediol, 1,6-hexanediol, 1,7-heptanediol, 1,8-octanediol, 1,9-nonanediol, 1,10-decanediol and particularly 1,4-butanediol, and dialkylene glycols containing 4 to 8 carbon atoms, e.g. diethylene glycol and dipropylene glycol as well as polyalkylene glycols. Other substances which are suitable here include branched chain and/or unsaturated alkanediols which usually contain not more than 12 carbon atoms, such as 1,2-propanediol, 2-methyl-1,3-propanediol, 2,2-dimethyl-1,3-propanediol, 2-butyl-2-ethyl-1,3-propanediol, 2-butene-1,4-diol and 2-butene-1,4-diol, diesters of terephthalic acid with glycols comprising 2 to 4 carbon atoms, such as terephthalic acid-bis-ethylene glycol or terephthalic acid-bis-1,4-butanediol, hydroxyalkylene ethers of hydroquinone or resorcinol, e.g. 1,4-di-( $\beta$ -hydroxyethyl)-hydroquinone or 1,3-bis-( $\beta$ -hydroxyethyl)-resorcinol, alkanolamines comprising 2 to 12 carbon atoms such as ethanolamine, 2-aminopropanol and 3-amino-2,2-dimethylpropanol.

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	U	I	Comment ID	Issue Date	Pages	Title	Current OR	Current Ref	Retrieval C	Inventor	S	C	F	
1			US 6737471 B2	20040518	7	Polyurethane elastomers which exhibit improved	S24/773	521/125; 521/129;		Lorenz; Klaus et al.	P			

EAST

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TITLE: Polyurethane elastomers which exhibit improved stability to hydrolysis

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INVENTOR-INFORMATION:

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1			US 6737471 B2	20040518	7	Polyurethane elastomers which exhibit improved	S24/773	S21/128; S21/129;		Lorenz, Klaus et al.	P				

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	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current Ref	Retrieval C	Inventor	S	C	T	
1	<input type="checkbox"/>	<input type="checkbox"/>	GS 4839357 A	19890613	9	Polyurethans soft foam with sound insulating and	521/159	264/171.14; 264/45.4;		Lohmar, Ernst et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	JP 63260916 A	19881027	6	Sound proofing and vibration damping polyurethane type					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>